

U.S. EPA Region 5 Superfund Division Midwest Generation- Crawford Station Site and Fisk Station Site

Objective

This document outlines the work plan for the U.S. Environmental Protection Agency (U.S. EPA) Region 5 Superfund Division radiation screening and air monitoring activities at the Midwest Generation-Crawford Station and Fisk Station Sites (Sites), located in Chicago, Cook County, Illinois. Superfund Technical Assessment and Response Team (START) contractors have been tasked to assist the U.S. EPA with off-Site activities.

Site Descriptions

The Crawford Station operated as a coal-fired electric power generating station and is located at 3501 South Pulaski Road in Chicago, Cook County, Illinois. The Site is bordered by railroad tracks to the north, with West 33rd Street beyond; South Hamlin Avenue to the east, with commercial and industrial properties beyond; Chicago River to the south; and South Pulaski Road to the west, with commercial and industrial properties. The Crawford Station consists of 72 acres and is developed with buildings and infrastructure associated with Midwest Generation's Crawford coal-fired electric power generating station.

The Fisk Station operated as a coal-fired electric power generating station and is located at 1111 West Cermak Road in Chicago, Cook County, Illinois. The Site is bordered by North Cermak Road to the north, with commercial properties beyond; Morgan Street to the east, with commercial properties beyond; Chicago River to the south; and commercial properties to the west, with South Throop Street beyond. The Fisk Station consists of 60 acres and is developed with buildings and infrastructure associated with Midwest Generation's Fisk coal-fired electric power generating station.

The Crawford Station and the Fisk Station are owned by Midwest Generation, a subsidiary of California-based Edison International, a corporation which produces electric power. Midwest Generation announced a deal with the city, community, and environmental organizations, in early 2012, to close the two plants. The two plants ceased operations in August 2012.

Project Description

U.S. EPA and START will perform the off-site radiation screening and air monitoring activities in November- December 2012, date(s) to be determined. Gamma radiation screening will be conducted for neighborhoods in the vicinity of the Crawford Station and Fisk Station. Perimeter air monitoring will be conducted for the Crawford Station and Fisk Station in order to (1) collect real-time particulate

readings during non-work site activities and (2) collect real-time particulate readings during work site activities (i.e.; construction and/or demolition activities).

The following are objectives of the radiation screening and air monitoring at the Sites:

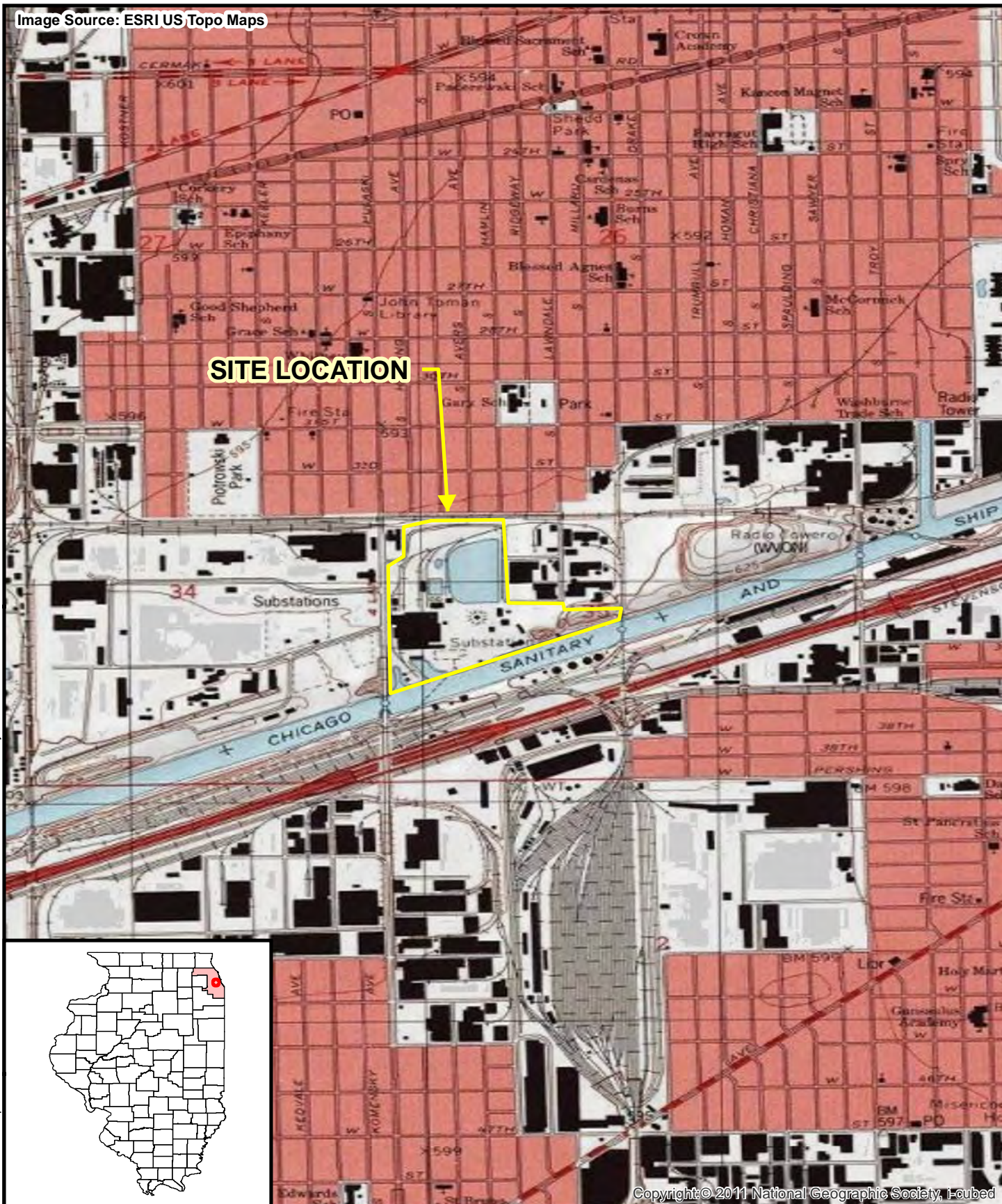
- Collect and record meteorological data including temperature, wind direction, wind speed; and current weather conditions using a RainWise-MKIII weather station;
- From residential areas near the Sites and residential areas throughout Chicago for comparison, collect gamma radiation screening using a Victoreen 450P Pressurized Ion Chamber, collect perimeter and background particulate readings using a DataRAM 4, track reading locations using global positioning system (GPS) equipment, and compile data using the real-time data collection software called Field Analysis & Sampling Tool (FAST);
- Collect perimeter particulate readings using a Personal DataRAM (PDR) during non-work activities and during normal weather conditions (i.e.; non-windy);
- Collect perimeter particulate readings using a PDR during non-work activities and during abnormal weather conditions (i.e.; windy);
- Collect perimeter particulate readings using a PDR during work activities (i.e.; construction and/or demolition activities) and during normal weather conditions (i.e.; non-windy); and
- Collect perimeter particulate readings using a PDR during work activities (i.e.; construction and/or demolition activities) and during abnormal weather conditions (i.e.; windy).

Contacts

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Image Source: ESRI US Topo Maps



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Legend

Site Boundary

0 2,000 Feet



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U.S. EPA REGION V

Contract No.: EP-S5-06-04
TDD: S05-0001-1210-016
DCN: 2014-2B-BBWD



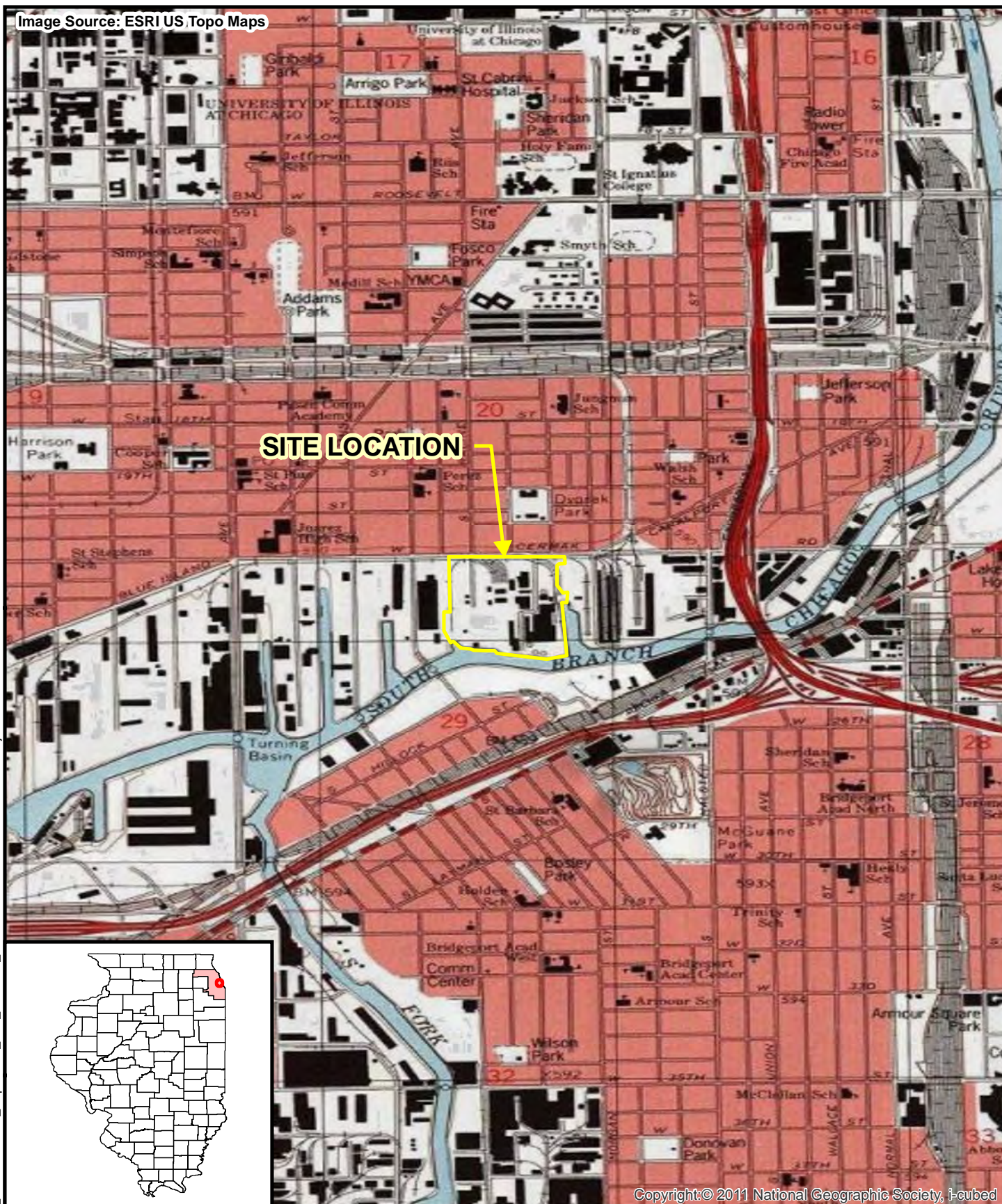
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Figure 1a

Site Location Map
Midwest Generation-Crawford Station
Chicago, Cook County, Illinois

Image Source: ESRI US Topo Maps



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Legend

Site Location

0 2,000 Feet



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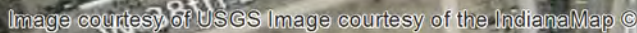
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Figure 1b
Site Location Map
Midwest Generation-Fisk Station
Chicago, Cook County, Illinois



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Midwest Generation-Crawford Station
Chicago, Cook County, Illinois

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Legend

Site Location

0 350 Feet



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Figure 2b
Site Features Map
Midwest Generation-Fisk Station
Chicago, Cook County, Illinois